

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046802.D
 Acq On : 21 Sep 2015 13:02
 Operator : FY/SY
 Sample : G3753-01
 Misc : 3.85gm/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Sep 21 13:45:27 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	183985	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	244770	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.57	117	224118	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.90	152	102899	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	101752	53.19	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	106.38%	
35) Dibromofluoromethane	6.20	113	101117	52.80	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.60%	
50) Toluene-d8	9.61	98	291246	48.21	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.84	95	112653	46.31	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.62%	

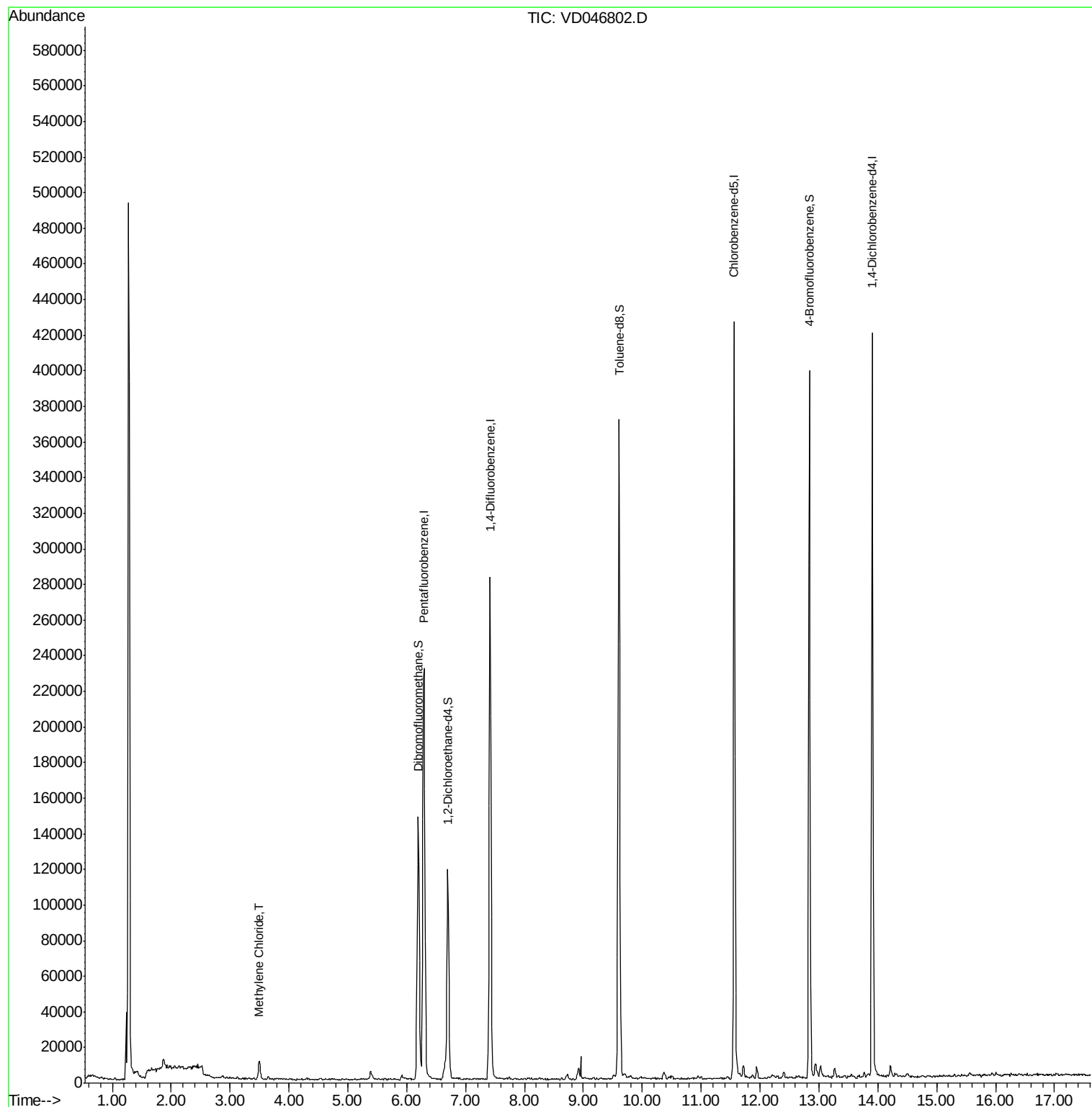
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
21) Methylene Chloride	3.49	84	5120	2.92	ug/l	# 88

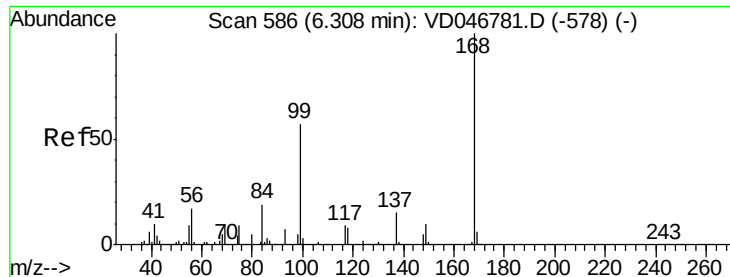
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.01 min

Lab File: VD046802.D

Acq: 21 Sep 2015 13:02

Instrument :

MSVOA_D

ClientSampleId :

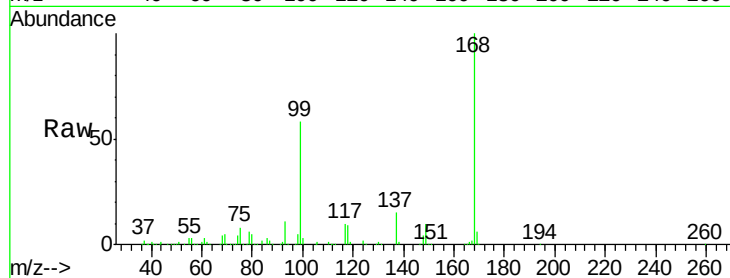
SP-1

Tot Ion:168 Resp: 183985

Ion Ratio Lower Upper

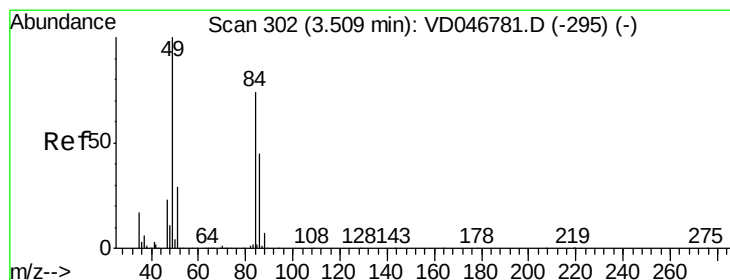
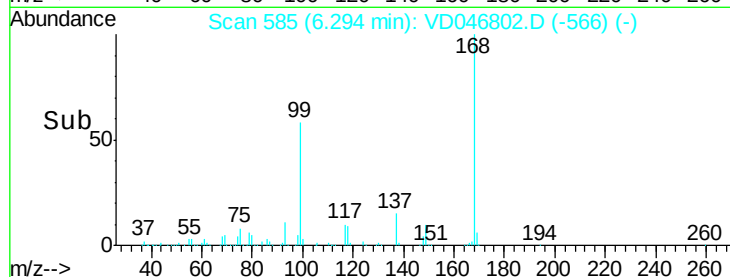
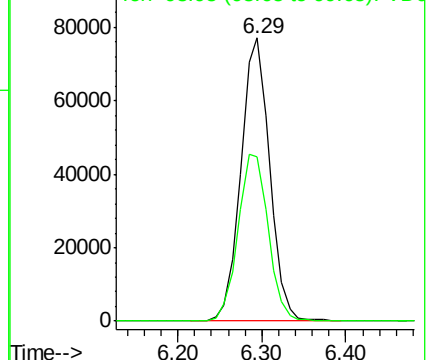
168 100

99 58.1 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#21

Methylene Chloride

Concen: 2.92 ug/l

RT: 3.49 min Scan# 300

Delta R.T. -0.02 min

Lab File: VD046802.D

Acq: 21 Sep 2015 13:02

Tgt Ion: 84 Resp: 5120

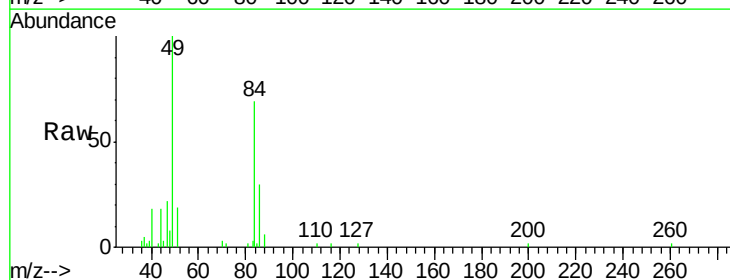
Ion Ratio Lower Upper

84 100

49 145.1 122.1 183.1

51 26.9 33.6 50.4#

86 44.3 48.3 72.5#

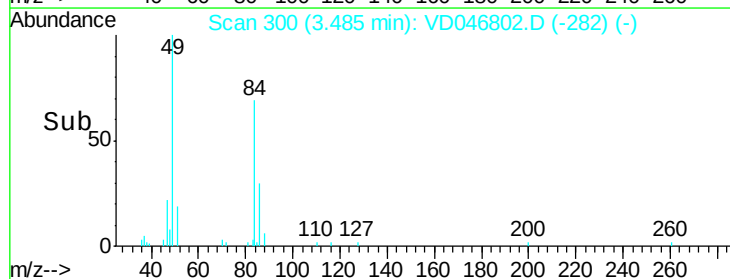
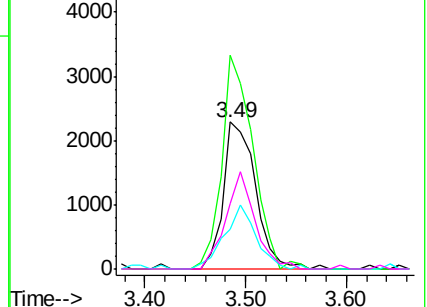


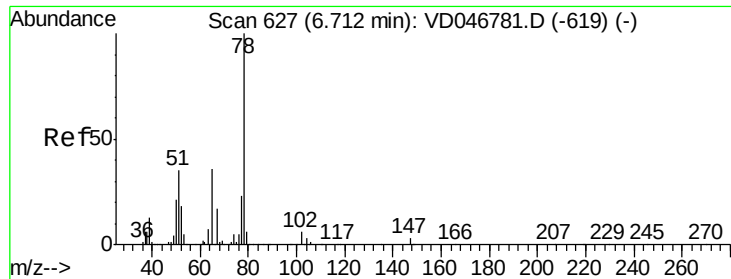
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

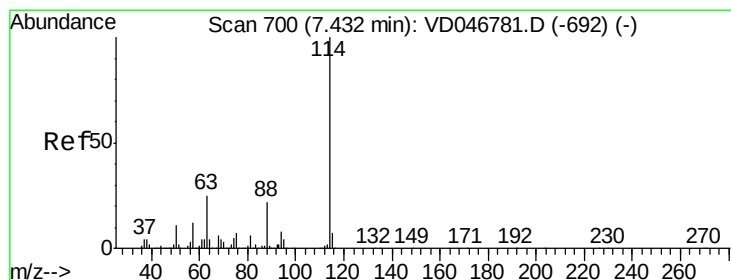
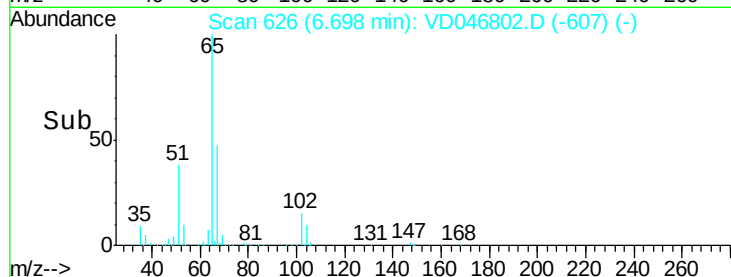
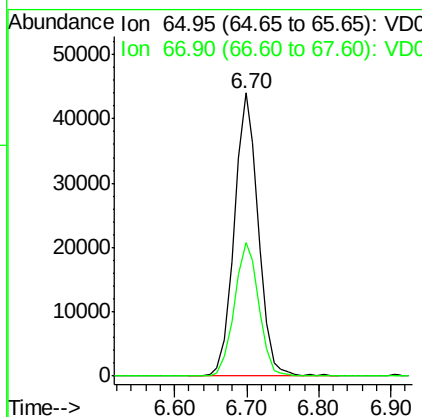
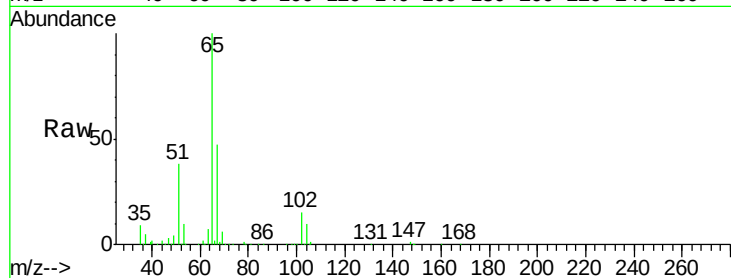




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VD046802.D
 Acq: 21 Sep 2015 13:02

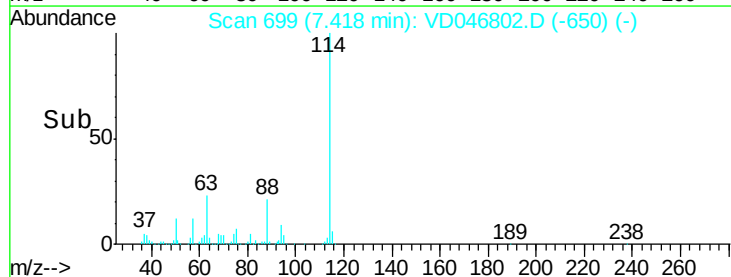
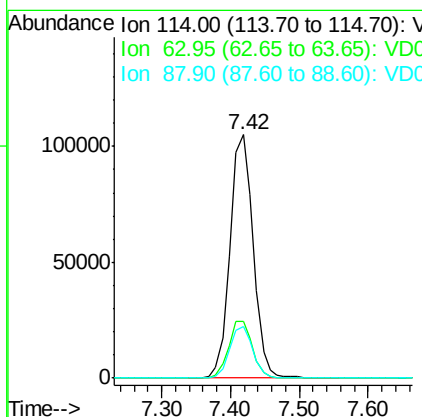
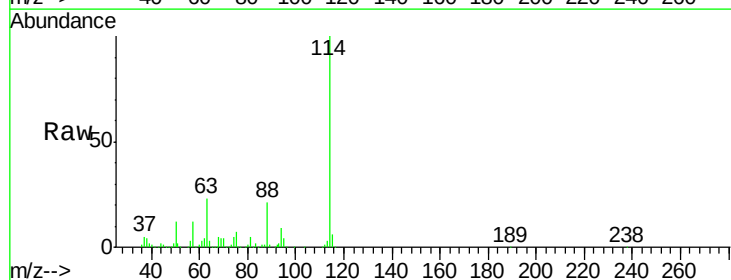
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

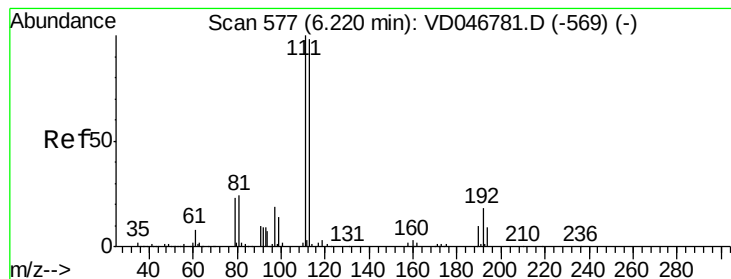
Tot Ion: 65 Resp: 101752
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VD046802.D
 Acq: 21 Sep 2015 13:02

Tgt Ion: 114 Resp: 244770
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.8
 88 21.3 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.20 min Scan# 575

Delta R.T. -0.02 min

Lab File: VD046802.D

Acq: 21 Sep 2015 13:02

Instrument :

MSVOA_D

ClientSampleId :

SP-1

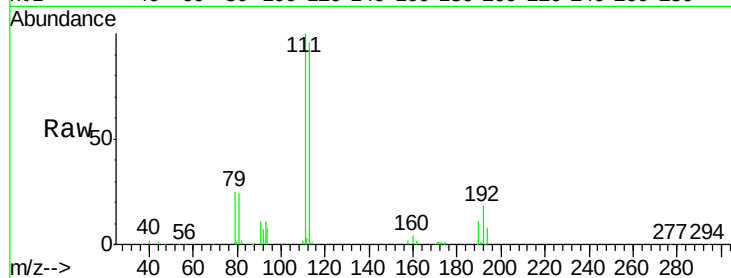
Tot Ion:113 Resp: 101117

Ion Ratio Lower Upper

113 100

111 104.3 79.4 119.0

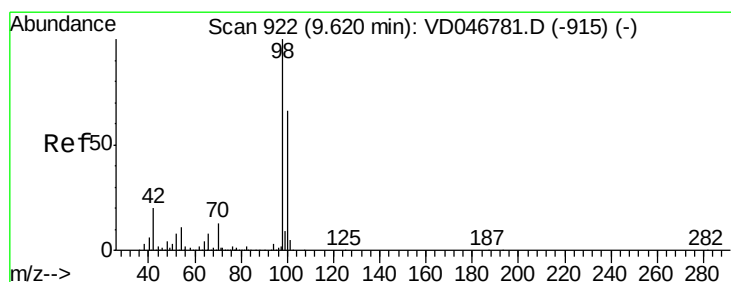
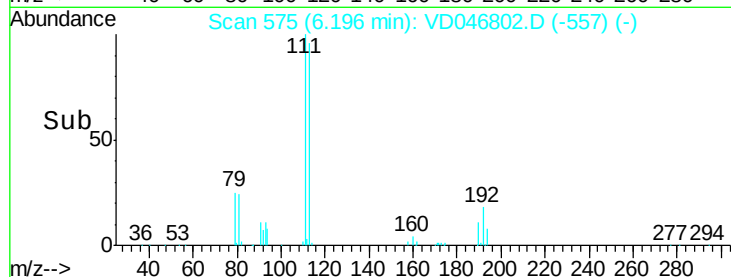
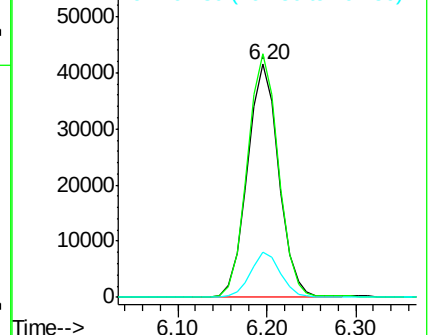
192 19.1 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD046802.D

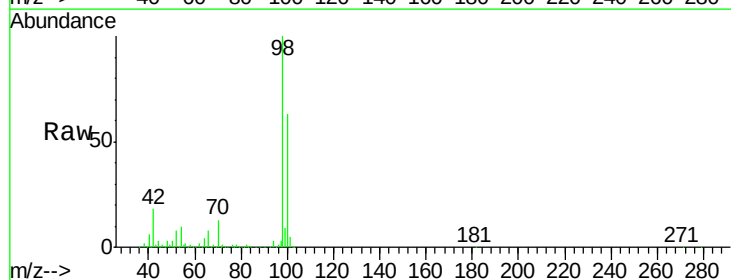
Acq: 21 Sep 2015 13:02

Tgt Ion: 98 Resp: 291246

Ion Ratio Lower Upper

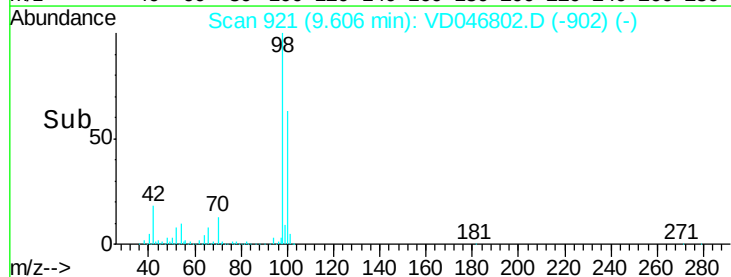
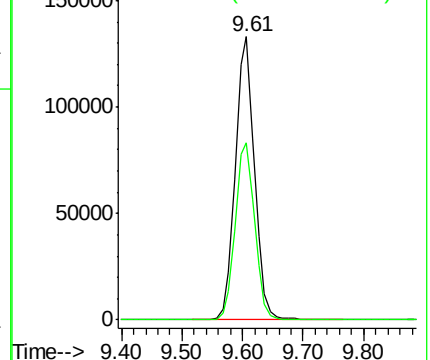
98 100

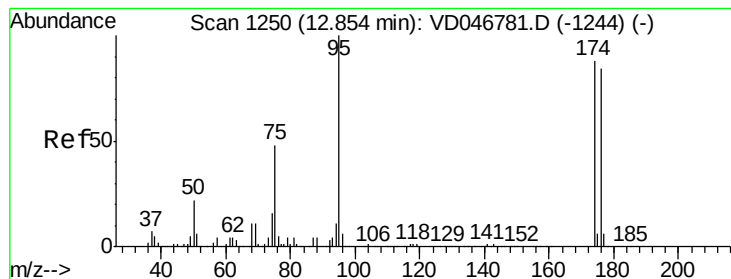
100 62.6 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD046802.D

Acq: 21 Sep 2015 13:02

Instrument :

MSVOA_D

ClientSampleId :

SP-1

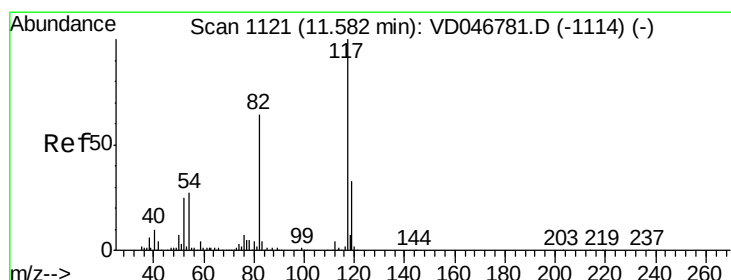
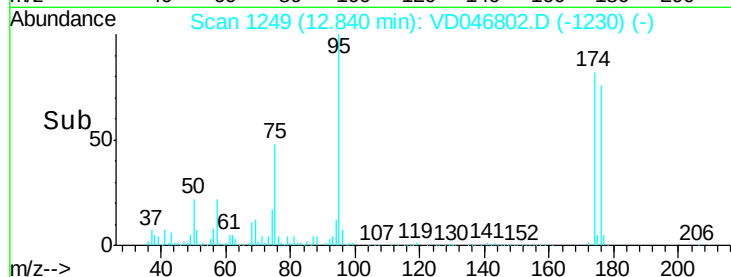
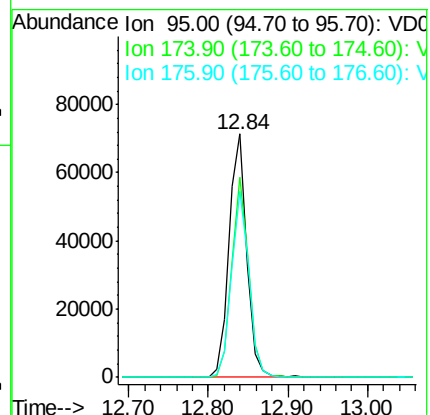
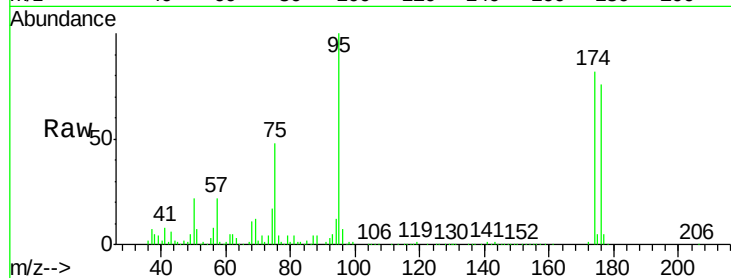
Tot Ion: 95 Resp: 112653

Ion Ratio Lower Upper

95 100

174 82.2 0.0 149.8

176 76.3 0.0 143.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD046802.D

Acq: 21 Sep 2015 13:02

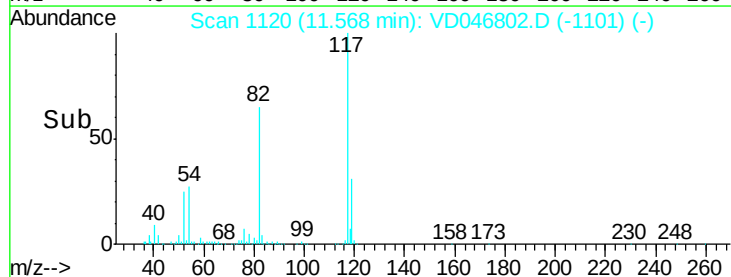
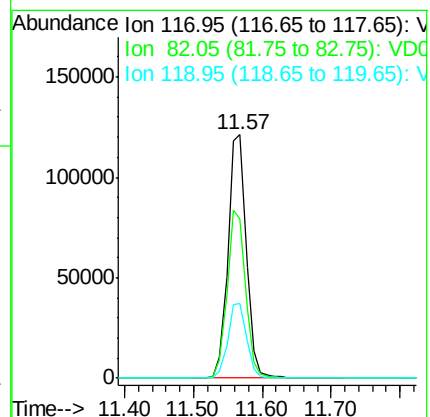
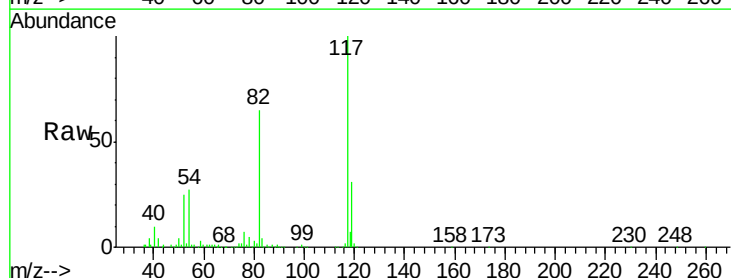
Tgt Ion: 117 Resp: 224118

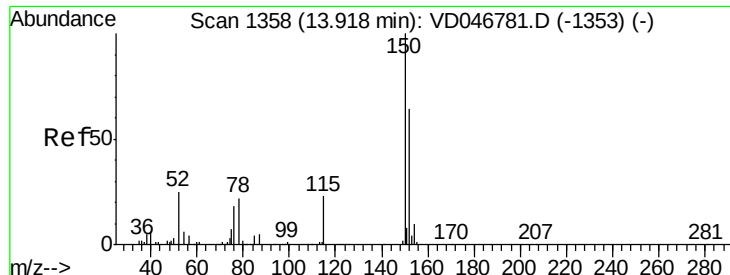
Ion Ratio Lower Upper

117 100

82 65.1 50.6 75.8

119 30.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.90 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD046802.D

Acq: 21 Sep 2015 13:02

Instrument :

MSVOA_D

ClientSampleId :

SP-1

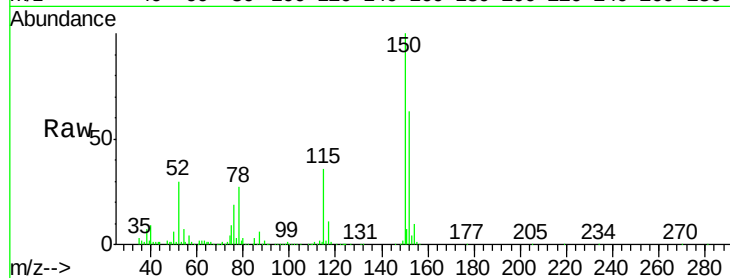
Tot Ion:152 Resp: 102899

Ion Ratio Lower Upper

152 100

115 57.4 26.2 78.6

150 158.5 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

